

10732988

=> d his

(FILE 'HOME' ENTERED AT 18:56:20 ON 09 FEB 2005)

FILE 'REGISTRY' ENTERED AT 18:56:35 ON 09 FEB 2005

L1 STRUCTURE UPLOADED

L2 1 S L1

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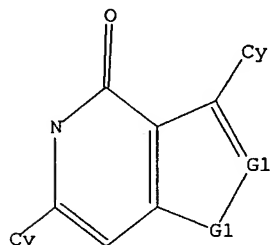
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L4 16 S L3

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L1 HAS NO ANSWERS

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G1 O,N

Structure attributes must be viewed using STN Express query preparation.

=> d 1-16 bib abs hitstr

L4 ANSWER 1 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2004:739975 CAPLUS

DN 141:243542

TI Preparation of isoxazolopyridone derivatives as metabotropic glutamate receptor antagonists

IN Nakamura, Masayuki; Kurihara, Hideki; Ohkubo, Mitsuru; Tsukamoto, Naohiro

PA Japan

SO U.S. Pat. Appl. Publ., 21 pp., Cont.-in-part of Appl. No. PCT/JP02/020589.

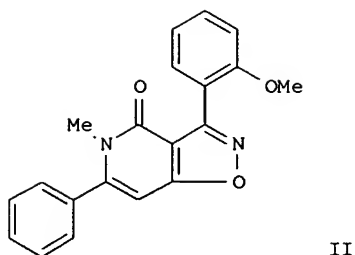
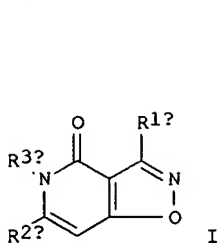
CODEN: USXXCO

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004176407	A1	20040909	US 2003-732988	20031210
	WO 2002102807	A1	20021227	WO 2002-JP5898	20020613
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI	JP 2001-179801	A	20010614		
	WO 2002-JP5898	A2	20020613		
OS	MARPAT 141:243542				
GI					



AB Title compds. I (wherein R1a and R2a are each independently a heteroaryl or Ph group which may be substituted; and R3a is Me, with the provisos that when R1a is unsubstituted Ph, R2a is not p-substituted Ph wherein the substituent is OMe, Cl, Me, CF₃, F, CH₂Br, or CH₂NMe₂, or unsubstituted heteroaryl and that when R1a is 4-tolyl or 4-fluorophenyl, R2a is not unsubstituted Ph, 4-methoxyphenyl or 4-fluorophenyl) and their pharmaceutically acceptable salts, exhibiting metabotropic glutamate receptor antagonism and are useful in the treatment of anxiety, depression, schizophrenia, Alzheimer disease, epilepsy, Parkinson's disease, pain, degenerative neuropathy, and so on, are prepared. Thus, refluxing 5-(phenylcarbonylmethyl)-3-(2-methoxyphenyl)-N-methyl-4-isoxazolocarbonylcarboxamide with p-toluenesulfonic acid in THF for 5 h gave 5-methyl-3-(2-methoxyphenyl)-6-phenylisoxazolo[4,5c]pyridin-4(5H)-one (II). II exhibited activity toward metabotropic glutamate receptor with IC₅₀ of 7.65 nM.

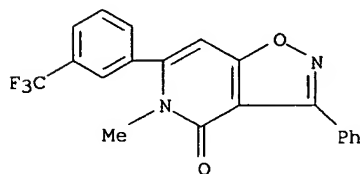
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 479077-09-3P 479077-10-6P 479077-11-7P
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 479077-27-5P 479077-28-6P 479077-29-7P
 479077-30-0P 479077-31-1P 479077-32-2P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(Preparation of isoxazolopyridone derivs. as metabotropic glutamate receptor antagonists)

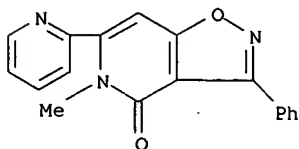
RN 60986-86-9 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-3-phenyl-6-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 65881-73-4 CAPLUS

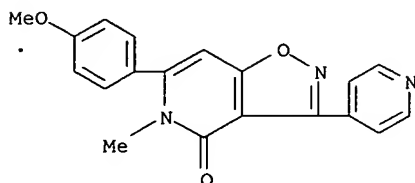
CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-3-phenyl-6-(2-pyridinyl)- (9CI) (CA INDEX NAME)



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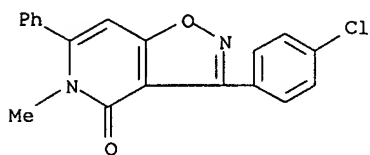
RN 479077-02-6 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-(4-methoxyphenyl)-5-methyl-3-(4-pyridinyl)- (9CI) (CA INDEX NAME)



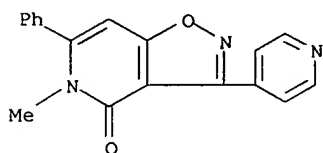
RN 479077-03-7 CAPLUS

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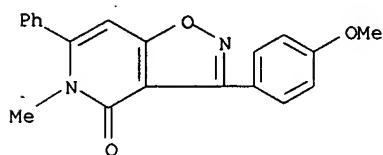
RN 479077-04-8 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-6-phenyl-3-(4-pyridinyl)- (9CI) (CA INDEX NAME)



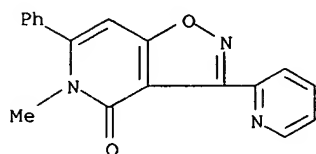
RN 479077-05-9 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 3-(4-methoxyphenyl)-5-methyl-6-phenyl- (9CI) (CA INDEX NAME)



RN 479077-06-0 CAPLUS

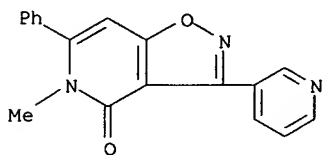
CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-6-phenyl-3-(2-pyridinyl)- (9CI) (CA INDEX NAME)



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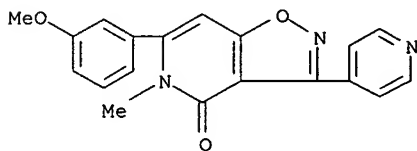
RN 479077-07-1 CAPLUS

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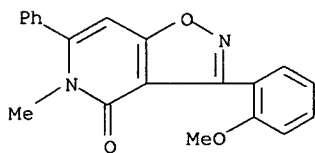
RN 479077-08-2 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-(3-methoxyphenyl)-5-methyl-3-(4-pyridinyl)- (9CI) (CA INDEX NAME)



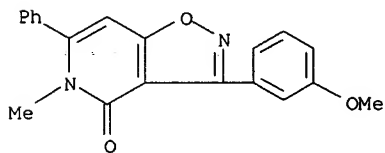
RN 479077-09-3 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 3-(2-methoxyphenyl)-5-methyl-6-phenyl-
(9CI) (CA INDEX NAME)



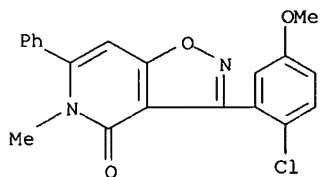
RN 479077-10-6 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 3-(3-methoxyphenyl)-5-methyl-6-phenyl-
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RN 479077-11-7 CAPLUS

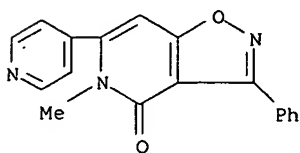
CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 3-(2-chloro-5-methoxyphenyl)-5-methyl-6-phenyl-
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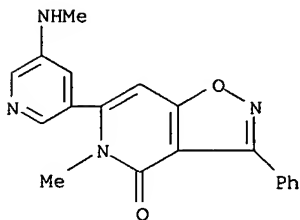
RN 479077-12-8 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-3-phenyl-6-(4-pyridinyl)-
(9CI) (CA INDEX NAME)



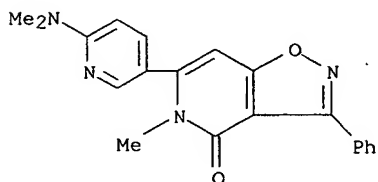
RN 479077-13-9 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-6-[5-(methylamino)-3-pyridinyl]-3-phenyl- (9CI) (CA INDEX NAME)



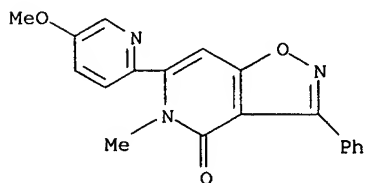
RN 479077-14-0 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-[6-(dimethylamino)-3-pyridinyl]-5-methyl-3-phenyl- (9CI) (CA INDEX NAME)



RN 479077-15-1 CAPLUS

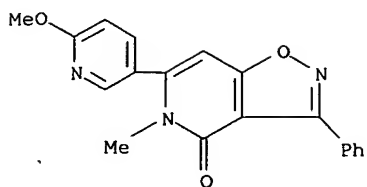
CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-(5-methoxy-2-pyridinyl)-5-methyl-3-phenyl- (9CI) (CA INDEX NAME)



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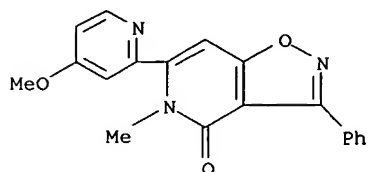
CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-(6-methoxy-3-pyridinyl)-5-methyl-3-phenyl- (9CI) (CA INDEX NAME)

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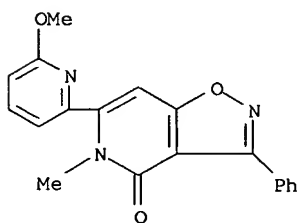
RN 479077-17-3 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-(4-methoxy-2-pyridinyl)-5-methyl-3-phenyl- (9CI) (CA INDEX NAME)



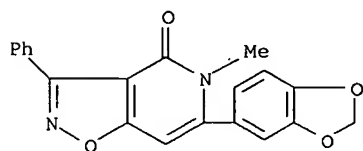
RN 479077-18-4 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-(6-methoxy-2-pyridinyl)-5-methyl-3-phenyl- (9CI) (CA INDEX NAME)



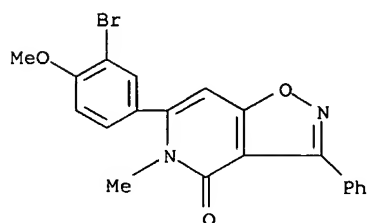
RN 479077-19-5 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-(1,3-benzodioxol-5-yl)-5-methyl-3-phenyl- (9CI) (CA INDEX NAME)



RN 479077-20-8 CAPLUS

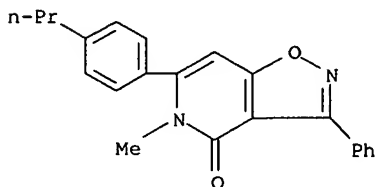
CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-(3-bromo-4-methoxyphenyl)-5-methyl-3-phenyl- (9CI) (CA INDEX NAME)



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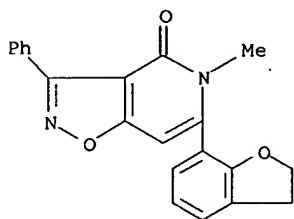
RN 479077-21-9 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-3-phenyl-6-(4-propylphenyl)-
(9CI) (CA INDEX NAME)



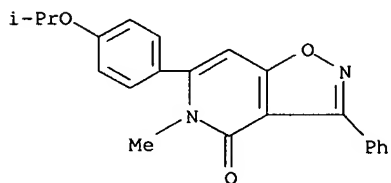
RN 479077-22-0 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-(2,3-dihydro-7-benzofuranyl)-5-methyl-
3-phenyl- (9CI) (CA INDEX NAME)



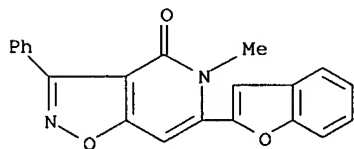
RN 479077-23-1 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-6-[4-(1-methylethoxy)phenyl]-3-
phenyl- (9CI) (CA INDEX NAME)



RN 479077-24-2 CAPLUS

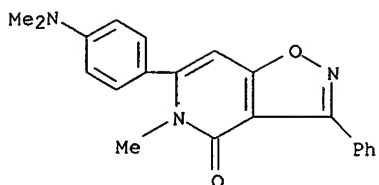
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(9CI) (CA INDEX NAME)



RN 479077-25-3 CAPLUS

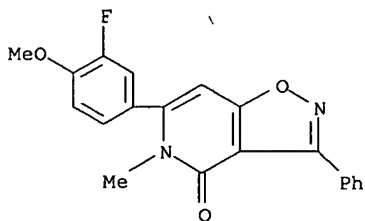
CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-[4-(dimethylamino)phenyl]-5-methyl-3-
phenyl- (9CI) (CA INDEX NAME)

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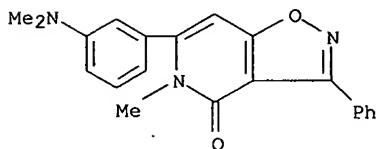
RN 479077-26-4 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-(3-fluoro-4-methoxyphenyl)-5-methyl-3-phenyl- (9CI) (CA INDEX NAME)



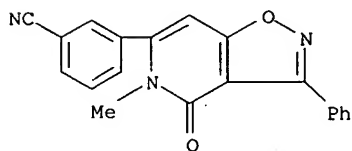
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CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-[3-(dimethylamino)phenyl]-5-methyl-3-phenyl- (9CI) (CA INDEX NAME)



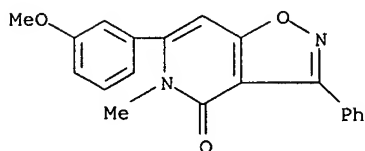
RN 479077-28-6 CAPLUS

CN Benzonitrile, 3-(4,5-dihydro-5-methyl-4-oxo-3-phenylisoxazolo[4,5-c]pyridin-6-yl)- (9CI) (CA INDEX NAME)



RN 479077-29-7 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-(3-methoxyphenyl)-5-methyl-3-phenyl- (9CI) (CA INDEX NAME)

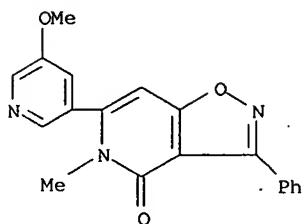


RN 479077-30-0 CAPLUS

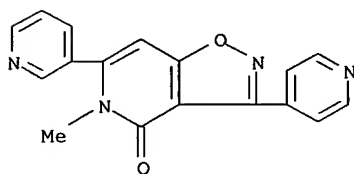
CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-(5-methoxy-3-pyridinyl)-5-methyl-3-

10732988

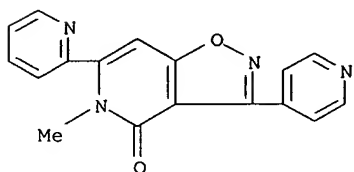
phenyl- (9CI) (CA INDEX NAME)



RN 479077-31-1 CAPLUS
CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-6-(3-pyridinyl)-3-(4-pyridinyl)- (9CI) (CA INDEX NAME)



RN 479077-32-2 CAPLUS
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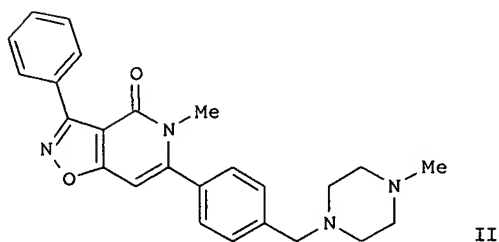
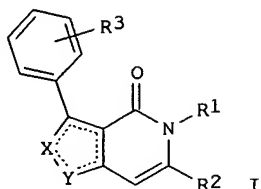


L4 ANSWER 2 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2003:154247 CAPLUS
DN 138:205045
TI Preparation of isoxazolopyridinones as Nurrl activators for treating Parkinson's disease
IN Hintermann, Samuel; Hengerer, Bastian; Von Krosigk, Ulrike
PA Novartis AG, Switz.; Novartis Pharma G.m.b.H.
SO PCT Int. Appl., 20 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003015780	A2	20030227	WO 2002-EP9134	20020814
	WO 2003015780	A3	20031113		
	WO 2003015780	C1	20040521		
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	RW:	AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR			
	EP 1418912	A2	20040519	EP 2002-772157	20020814
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK			

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BR 2002011903	A	20040921	BR 2002-11903	20020814
JP 2005501847	T2	20050120	JP 2003-520739	20020814
US 2004248893	A1	20041209	US 2004-486569	20040723
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GI				



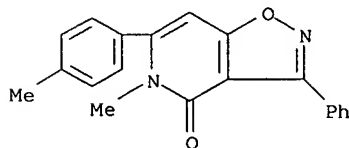
AB The title compds. [I; either X = O and Y = N, or X = N and Y = O; R1 = H, alkyl, cycloalkyl, etc.; R2 = alkyl, cycloalkyl, benzo[1,3]dioxol-5-yl, etc.; R3 = H, halo, alkyl, etc.], were prepared Thus, treating 5-methyl-3-phenylisoxazole-4-carboxylic acid with SOCl2 in DMF/DCE followed by addition of MeNH2 in EtOH, reacting the resulting methylamide with 4-(4-methylpiperazin-1-ylmethyl)benzonitrile in the presence of BuLi in THF, and treatment of the reaction residue with 4M HCl in dioxane afforded II. The activity of the compds. I at the Nurrl receptor were tested in in vitro and in vivo tests and data given.

IT **60986-84-7P**

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of isoxazolopyridinones as Nurrl activators for treating Parkinson's disease)

RN 60986-84-7 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-6-(4-methylphenyl)-3-phenyl- (9CI) (CA INDEX NAME)



IT **479077-12-8P 479077-19-5P 500164-70-5P**
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500164-85-2P 500164-86-3P 500164-87-4P
500164-93-2P 500164-94-3P 500164-96-5P
500164-97-6P 500164-98-7P 500164-99-8P
500165-00-4P 500165-01-5P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES

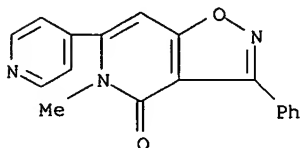
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(Uses)

(preparation of isoxazolopyridinones as Nurrl activators for treating Parkinson's disease)

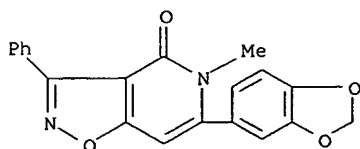
RN 479077-12-8 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-3-phenyl-6-(4-pyridinyl)-(9CI) (CA INDEX NAME)



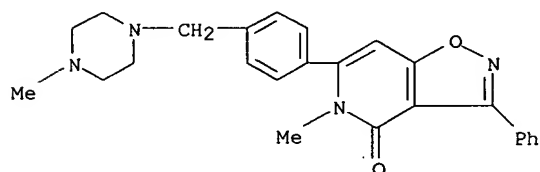
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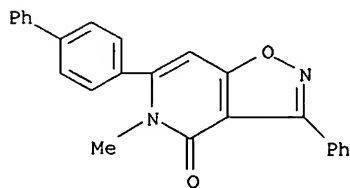
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RN 500164-71-6 CAPLUS

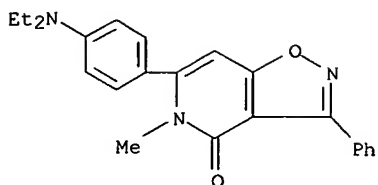
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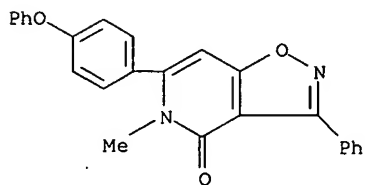
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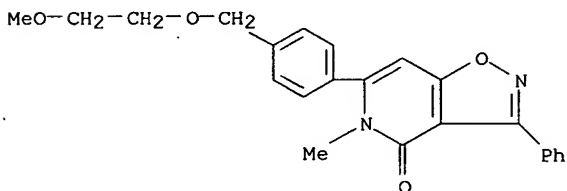
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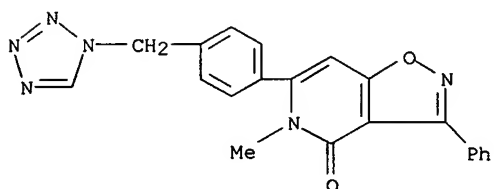
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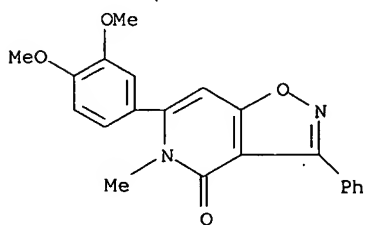
RN 500164-74-9 CAPLUS
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RN 500164-75-0 CAPLUS
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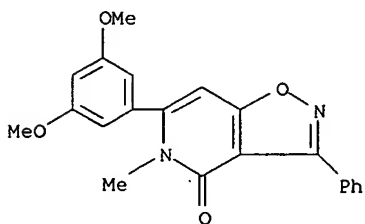
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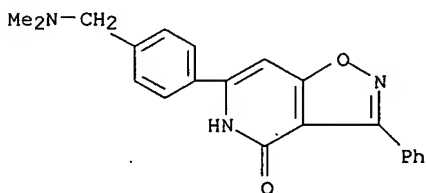
RN 500164-78-3 CAPLUS

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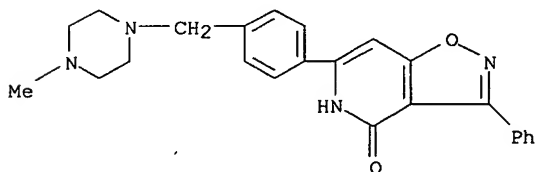
RN 500164-80-7 CAPLUS

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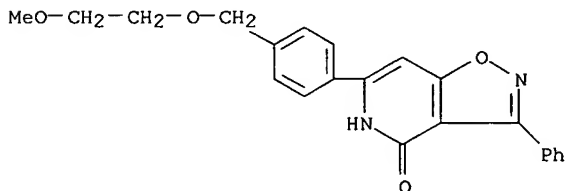
RN 500164-81-8 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-[4-[(4-methyl-1-piperazinyl)methyl]phenyl]-3-phenyl- (9CI) (CA INDEX NAME)



RN 500164-82-9 CAPLUS

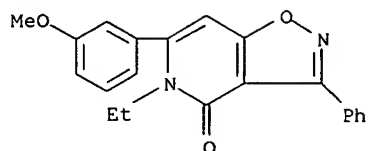
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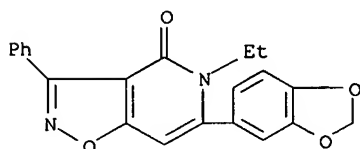
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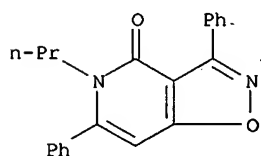
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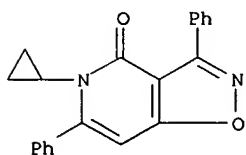
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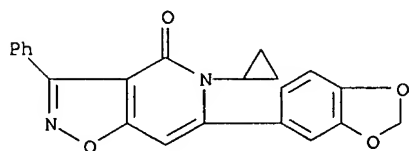
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CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 3,6-diphenyl-5-propyl- (9CI) (CA INDEX NAME)



RN 500164-86-3 CAPLUS
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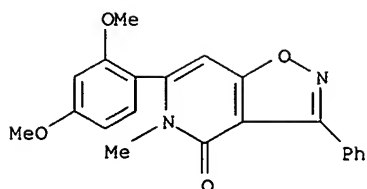


RN 500164-87-4 CAPLUS
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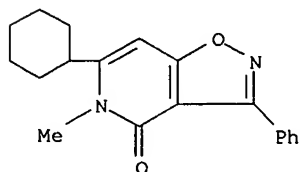


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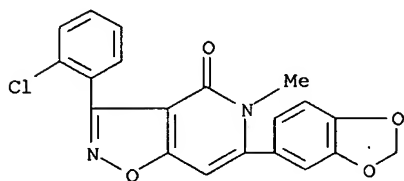
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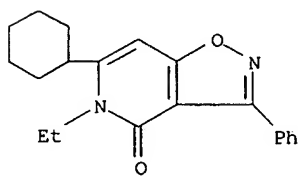
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(CA INDEX NAME)



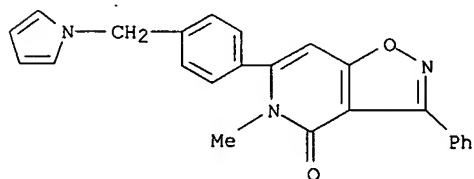
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CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-(1,3-benzodioxol-5-yl)-3-(2-chlorophenyl)-5-methyl- (9CI) (CA INDEX NAME)



RN 500164-97-6 CAPLUS
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(CA INDEX NAME)



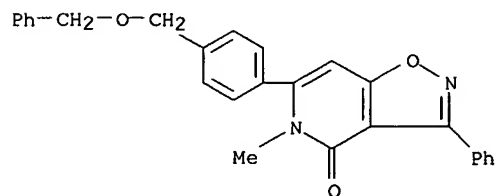
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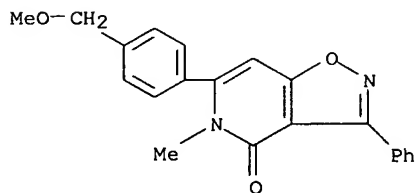
RN 500164-99-8 CAPLUS

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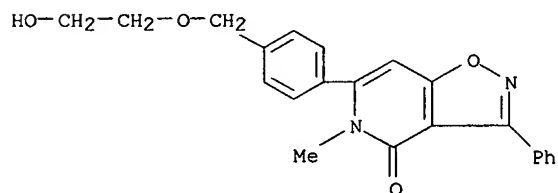
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RN 500165-00-4 CAPLUS
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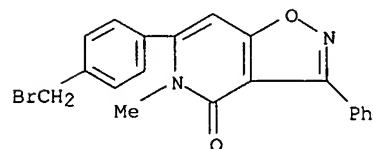


RN 500165-01-5 CAPLUS
CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-[4-[(2-hydroxyethoxy)methyl]phenyl]-5-
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IT **64748-72-7P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation of isoxazolopyridinones as Nurrl activators for treating
Parkinson's disease)

RN 64748-72-7 CAPLUS
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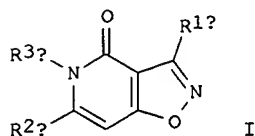


L4 ANSWER 3 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2002:977820 CAPLUS
DN 138:55955
TI Preparation of isoxazolopyridone derivatives as metabotropic glutamate
receptor antagonists
IN Nakamura, Masayuki; Kurihara, Hideki; Ohkubo, Mitsuru; Tsukamoto, Naohiro
PA Banyu Pharmaceutical Co., Ltd., Japan
SO PCT Int. Appl., 59 pp.

CODEN: PIXXD2

DT Patent
LA Japanese
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002102807	A1	20021227	WO 2002-JP5898	20020613
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PRAI	JP 2001-179801	A	20010614		
	WO 2002-JP5898	W	20020613		
OS	MARPAT 138:55955				
GI					



AB Title compds. I (wherein R1a and R2a are each independently a heteroaryl or Ph group which may be substituted; and R3a is Me, with the provisos that when R1a is unsubstituted Ph, R2a is not p-substituted Ph wherein the substituent is OMe, Cl, Me, CF₃, F, CH₂Br, or CH₂NMe₂, or unsubstituted heteroaryl and that when R1a is 4-tolyl or 4-fluorophenyl, R2a is not unsubstituted Ph, 4-methoxyphenyl or 4-fluorophenyl) and their pharmaceutically acceptable salts., exhibiting metabotropic glutamate receptor antagonism and are useful in the treatment of anxiety, depression, schizophrenia, Alzheimer disease, epilepsy, Parkinson's disease, pain, degenerative neuropathy, and so on, are prepared Thus, refluxing 5-(4-methoxyphenylcarbonylmethyl)-3-(pyridin-4-yl)-N-methyl-4-isoxazolecarboxamide with p-toluenesulfonic acid in THF for 5 h gave 60% 5-methyl-6-(4-methoxyphenyl)-3-(pyridin-4-yl)isoxazolo[4,5c]pyridin-4(5H)-one. 5-Methyl-3-(2-methoxyphenyl)-6-phenylisoxazolo[4,5c]pyridin-4(5H)-one (II). II exhibited activity toward metabotropic glutamate receptor with IC₅₀ of 7.65 nM.

IT 60986-86-9P 65881-73-4P 479077-02-6P
479077-03-7P 479077-04-8P 479077-05-9P
479077-06-0P 479077-07-1P 479077-08-2P
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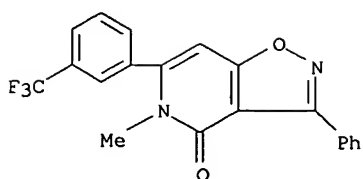
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of isoxazolopyridone derivs. as metabotropic glutamate receptor antagonists)

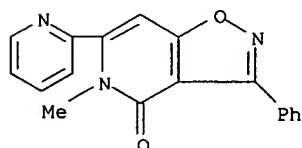
RN 60986-86-9 CAPLUS

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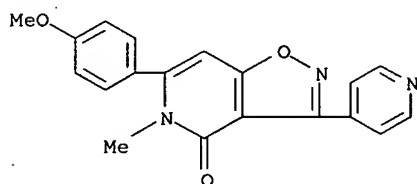
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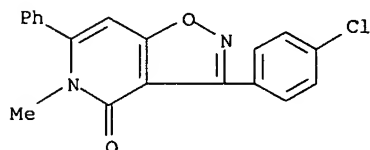
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(9CI) (CA INDEX NAME)



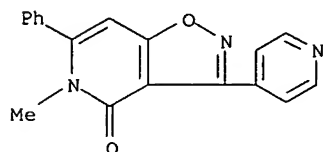
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pyridinyl)- (9CI) (CA INDEX NAME)



RN 479077-03-7 CAPLUS
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(9CI) (CA INDEX NAME)

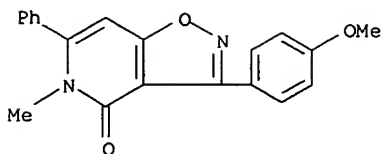


RN 479077-04-8 CAPLUS
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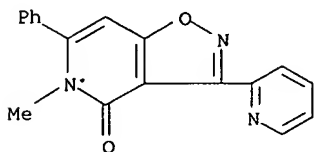


RN 479077-05-9 CAPLUS
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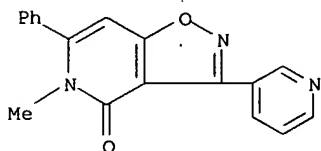
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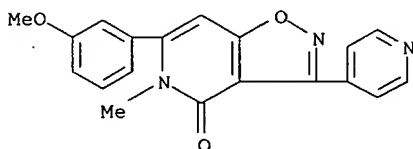
RN 479077-06-0 CAPLUS
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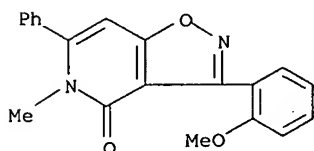
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(9CI) (CA INDEX NAME)



RN 479077-08-2 CAPLUS
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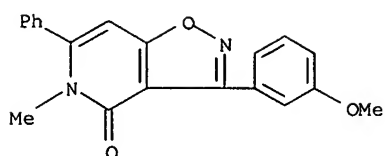


RN 479077-09-3 CAPLUS
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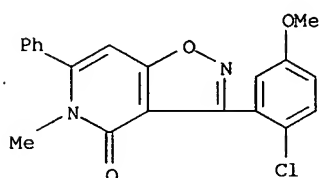


RN 479077-10-6 CAPLUS
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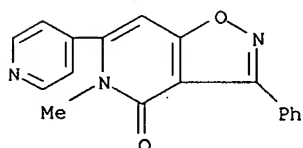
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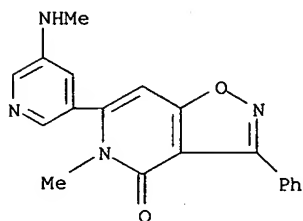
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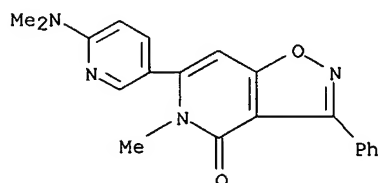
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RN 479077-13-9 CAPLUS
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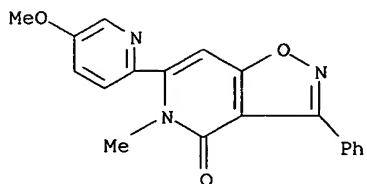
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CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-[6-(dimethylamino)-3-pyridinyl]-5-methyl-3-phenyl- (9CI) (CA INDEX NAME)



RN 479077-15-1 CAPLUS

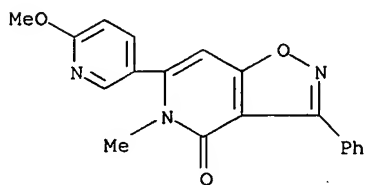
10732988

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-(5-methoxy-2-pyridinyl)-5-methyl-3-phenyl- (9CI) (CA INDEX NAME)



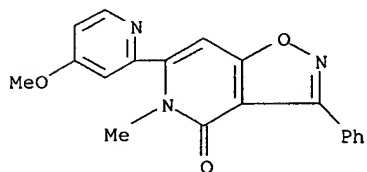
RN 479077-16-2 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-(6-methoxy-3-pyridinyl)-5-methyl-3-phenyl- (9CI) (CA INDEX NAME)



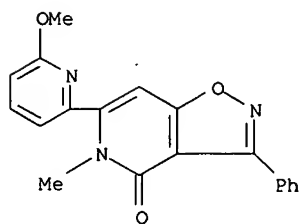
RN 479077-17-3 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-(4-methoxy-2-pyridinyl)-5-methyl-3-phenyl- (9CI) (CA INDEX NAME)



RN 479077-18-4 CAPLUS

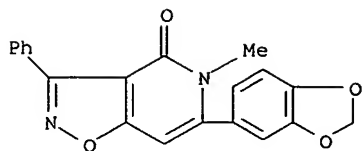
CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-(6-methoxy-2-pyridinyl)-5-methyl-3-phenyl- (9CI) (CA INDEX NAME)



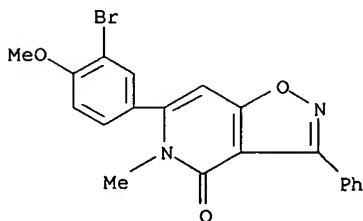
RN 479077-19-5 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-(1,3-benzodioxol-5-yl)-5-methyl-3-phenyl- (9CI) (CA INDEX NAME)

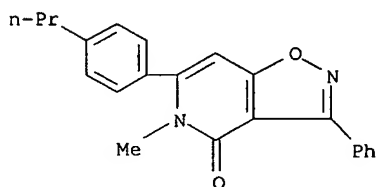
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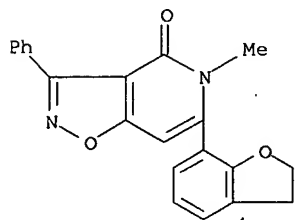
RN 479077-20-8 CAPLUS
CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-(3-bromo-4-methoxyphenyl)-5-methyl-3-phenyl- (9CI) (CA INDEX NAME)



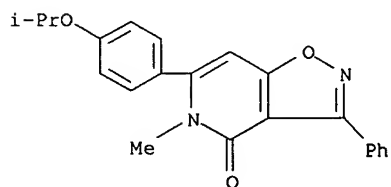
RN 479077-21-9 CAPLUS
CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-3-phenyl-6-(4-propylphenyl)- (9CI) (CA INDEX NAME)



RN 479077-22-0 CAPLUS
CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-(2,3-dihydro-7-benzofuranyl)-5-methyl-3-phenyl- (9CI) (CA INDEX NAME)



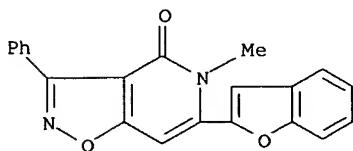
RN 479077-23-1 CAPLUS
CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-6-[4-(1-methylethoxy)phenyl]-3-phenyl- (9CI) (CA INDEX NAME)



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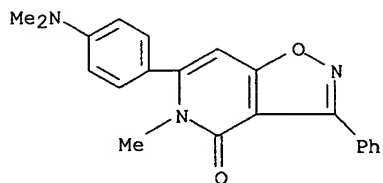
RN 479077-24-2 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-(2-benzofuranyl)-5-methyl-3-phenyl- (9CI) (CA INDEX NAME)



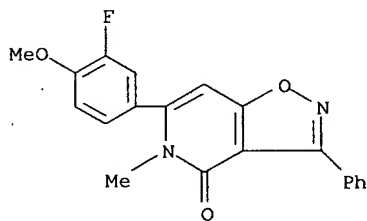
RN 479077-25-3 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-[4-(dimethylamino)phenyl]-5-methyl-3-phenyl- (9CI) (CA INDEX NAME)



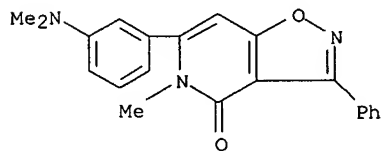
RN 479077-26-4 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-(3-fluoro-4-methoxyphenyl)-5-methyl-3-phenyl- (9CI) (CA INDEX NAME)



RN 479077-27-5 CAPLUS

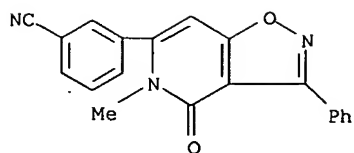
CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-[3-(dimethylamino)phenyl]-5-methyl-3-phenyl- (9CI) (CA INDEX NAME)



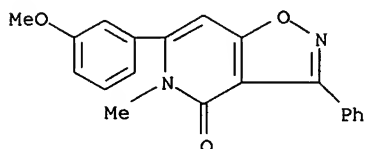
RN 479077-28-6 CAPLUS

CN Benzonitrile, 3-(4,5-dihydro-5-methyl-4-oxo-3-phenylisoxazolo[4,5-c]pyridin-6-yl)- (9CI) (CA INDEX NAME)

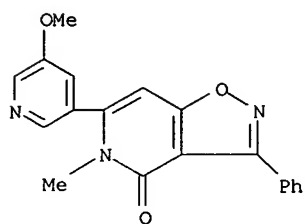
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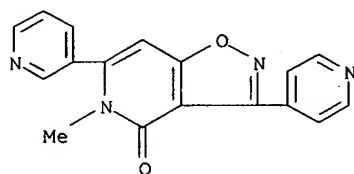
RN 479077-29-7 CAPLUS
CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-(3-methoxyphenyl)-5-methyl-3-phenyl- (9CI) (CA INDEX NAME)



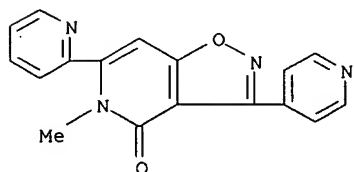
RN 479077-30-0 CAPLUS
CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-(5-methoxy-3-pyridinyl)-5-methyl-3-phenyl- (9CI) (CA INDEX NAME)



RN 479077-31-1 CAPLUS
CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-6-(3-pyridinyl)-3-(4-pyridinyl)- (9CI) (CA INDEX NAME)



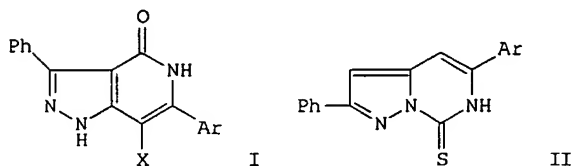
RN 479077-32-2 CAPLUS
CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-6-(2-pyridinyl)-3-(4-pyridinyl)- (9CI) (CA INDEX NAME)



RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

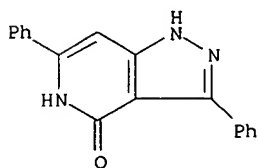
L4 ANSWER 4 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1993:539165 CAPLUS
 DN 119:139165
 TI Preparation and reactions of 6-aryl-1,5-dihydro-3-phenyl-4H-pyrazolo[4,3-c]pyridin-4-ones
 AU Marei, Mohamed Gaber
 CS Fac. Sci., Alexandria Univ., Alexandria, 21321, Egypt
 SO Bulletin of the Chemical Society of Japan (1993), 66(4), 1172-5
 CODEN: BCSJA8; ISSN: 0009-2673
 DT Journal
 LA English
 OS CASREACT 119:139165
 GI



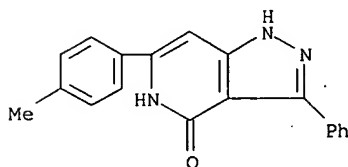
AB The title compds. I (Ar = Ph, 4-MeC₆H₄, 4-MeOC₆H₄, 4-BrC₆H₄, 4-ClC₆H₄, X = H) have been prepared in excellent yields by the reaction of 5-aryl-2-phenylpyrazolo[1,5-c]pyrimidine-7(6H)-thiones II with KOH. The reactions of I (X = H) have been investigated. The ring system readily undergoes electrophilic substitution at the 7-position to give I (X = Br, iodo, SO₃H, NO, NO₂, N:NPh). They are converted to the corresponding pyrazolopyridine-4-thiones on reaction with phosphorus pentasulfide. The structures of the above compds. were elucidated by their spectral characteristics.

IT 148116-47-6P 148116-48-7P 148116-49-8P
 148116-50-1P 148116-51-2P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and reactions of)

RN 148116-47-6 CAPLUS
 CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 1,5-dihydro-3,6-diphenyl- (9CI) (CA INDEX NAME)

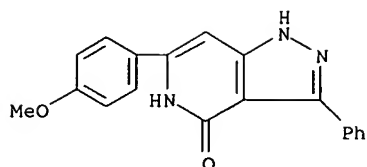


RN 148116-48-7 CAPLUS
 CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 1,5-dihydro-6-(4-methylphenyl)-3-phenyl- (9CI) (CA INDEX NAME)

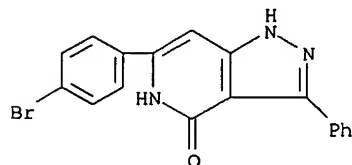


RN 148116-49-8 CAPLUS
 CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 1,5-dihydro-6-(4-methoxyphenyl)-3-phenyl- (9CI) (CA INDEX NAME)

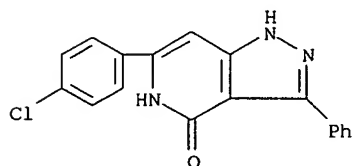
10732988



RN 148116-50-1 CAPLUS
CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 6-(4-bromophenyl)-1,5-dihydro-3-phenyl-
(9CI) (CA INDEX NAME)



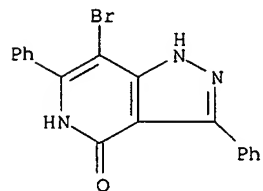
RN 148116-51-2 CAPLUS
CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 6-(4-chlorophenyl)-1,5-dihydro-3-phenyl-
(9CI) (CA INDEX NAME)



IT 148116-52-3P 148116-53-4P 148116-54-5P
148116-55-6P 148116-56-7P 148116-57-8P
148116-58-9P 148116-59-0P 148116-60-3P
148116-61-4P 148116-62-5P 148116-63-6P
148116-64-7P 148116-65-8P 148116-66-9P
148116-67-0P 148116-68-1P 148116-69-2P
149411-76-7P 149411-77-8P

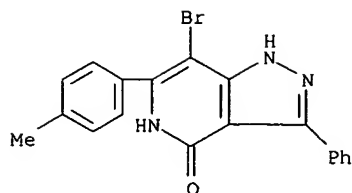
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 148116-52-3 CAPLUS
CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 7-bromo-1,5-dihydro-3,6-diphenyl- (9CI)
(CA INDEX NAME)

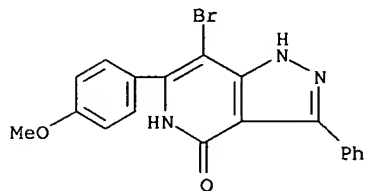


RN 148116-53-4 CAPLUS
CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 7-bromo-1,5-dihydro-6-(4-methylphenyl)-3-
phenyl- (9CI) (CA INDEX NAME)

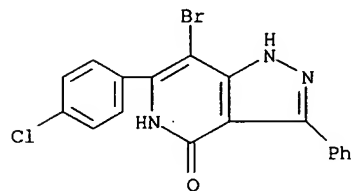
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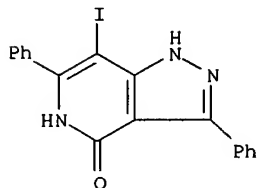
RN 148116-54-5 CAPLUS
CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 7-bromo-1,5-dihydro-6-(4-methoxyphenyl)-3-phenyl- (9CI) (CA INDEX NAME)



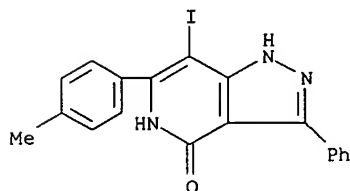
RN 148116-55-6 CAPLUS
CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 7-bromo-6-(4-chlorophenyl)-1,5-dihydro-3-phenyl- (9CI) (CA INDEX NAME)



RN 148116-56-7 CAPLUS
CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 1,5-dihydro-7-iodo-3,6-diphenyl- (9CI) (CA INDEX NAME)



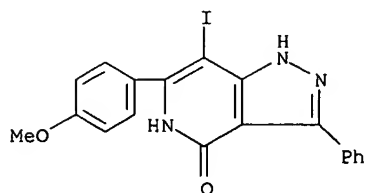
RN 148116-57-8 CAPLUS
CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 1,5-dihydro-7-iodo-6-(4-methylphenyl)-3-phenyl- (9CI) (CA INDEX NAME)



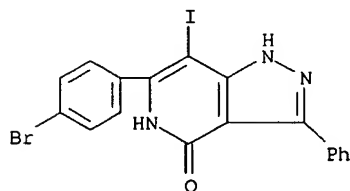
RN 148116-58-9 CAPLUS

10732988

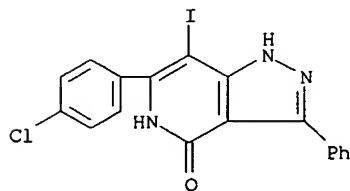
CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 1,5-dihydro-7-iodo-6-(4-methoxyphenyl)-3-phenyl- (9CI) (CA INDEX NAME)



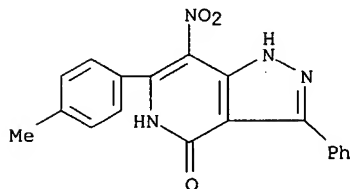
RN 148116-59-0 CAPLUS
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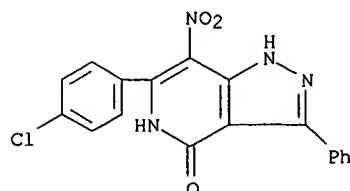
RN 148116-60-3 CAPLUS
CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 6-(4-chlorophenyl)-1,5-dihydro-7-iodo-3-phenyl- (9CI) (CA INDEX NAME)



RN 148116-61-4 CAPLUS
CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 1,5-dihydro-6-(4-methylphenyl)-7-nitro-3-phenyl- (9CI) (CA INDEX NAME)

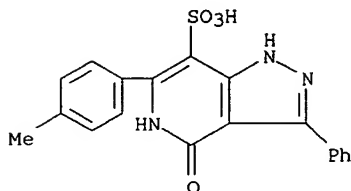


RN 148116-62-5 CAPLUS
CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 6-(4-chlorophenyl)-1,5-dihydro-7-nitro-3-phenyl- (9CI) (CA INDEX NAME)

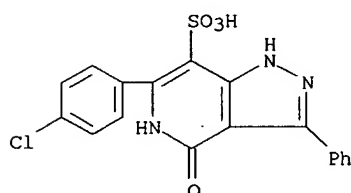


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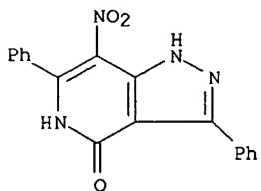
RN 148116-63-6 CAPLUS
CN 1H-Pyrazolo[4,3-c]pyridine-7-sulfonic acid, 4,5-dihydro-6-(4-methylphenyl)-4-oxo-3-phenyl- (9CI) (CA INDEX NAME)



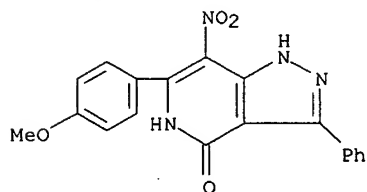
RN 148116-64-7 CAPLUS
CN 1H-Pyrazolo[4,3-c]pyridine-7-sulfonic acid, 6-(4-chlorophenyl)-4,5-dihydro-4-oxo-3-phenyl- (9CI) (CA INDEX NAME)



RN 148116-65-8 CAPLUS
CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 1,5-dihydro-7-nitro-3,6-diphenyl- (9CI) (CA INDEX NAME)

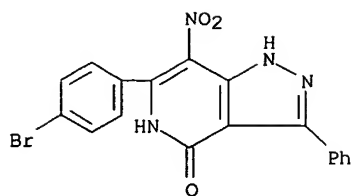


RN 148116-66-9 CAPLUS
CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 1,5-dihydro-6-(4-methoxyphenyl)-7-nitro-3-phenyl- (9CI) (CA INDEX NAME)



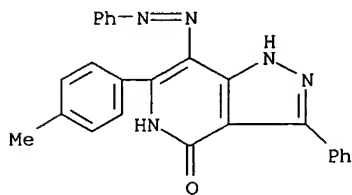
RN 148116-67-0 CAPLUS
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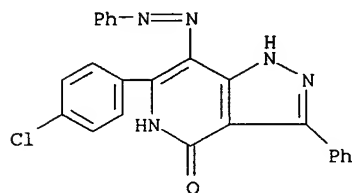
RN 148116-68-1 CAPLUS

CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 1,5-dihydro-6-(4-methylphenyl)-3-phenyl-7-(phenylazo)- (9CI) (CA INDEX NAME)



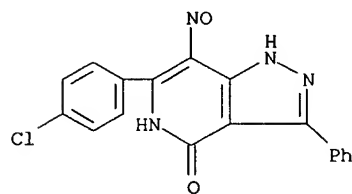
RN 148116-69-2 CAPLUS

CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 6-(4-chlorophenyl)-1,5-dihydro-3-phenyl-7-(phenylazo)- (9CI) (CA INDEX NAME)



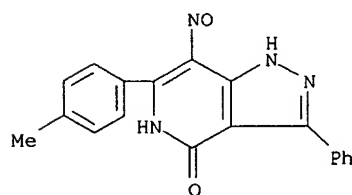
RN 149411-76-7 CAPLUS

CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 6-(4-chlorophenyl)-1,5-dihydro-7-nitroso-3-phenyl- (9CI) (CA INDEX NAME)

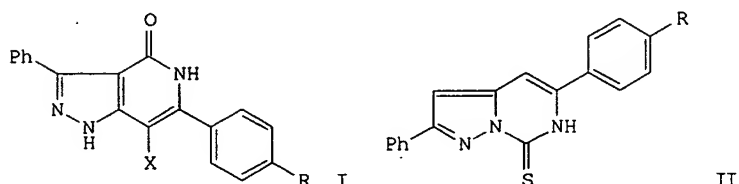


RN 149411-77-8 CAPLUS

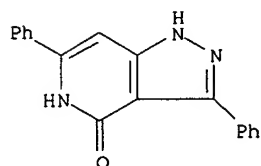
CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 1,5-dihydro-6-(4-methylphenyl)-7-nitroso-3-phenyl- (9CI) (CA INDEX NAME)



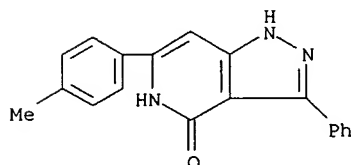
L4 ANSWER 5 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1993:428050 CAPLUS
DN 119:28050
TI Preparation and reactions of pyrazolo[4,3-c]pyridin-4(5H)-ones
AU Marei, Mohamed Gaber
CS Fac. Sci., Alexandria Univ., Alexandria, 21321, Egypt
SO Afinidad (1993), 50(443), 55-8
CODEN: AFINAE; ISSN: 0001-9704
DT Journal
LA English
GI



IT	148116-47-6P 148116-48-7P 148116-49-8P 148116-50-1P 148116-51-2P RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation and reactions of)
RN	148116-47-6 CAPLUS
CN	4H-Pyrazolo[4,3-c]pyridin-4-one, 1,5-dihydro-3,6-diphenyl- (9CI) (CA INDEX NAME)

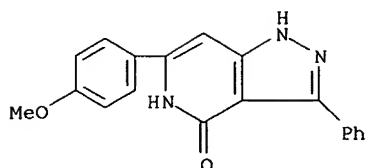


RN 148116-48-7 CAPLUS
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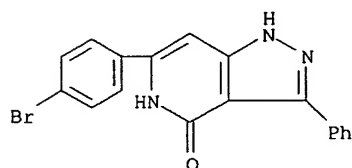


RN 148116-49-8 CAPLUS
CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 1,5-dihydro-6-(4-methoxyphenyl)-3-phenyl-
(9CI) (CA INDEX NAME)

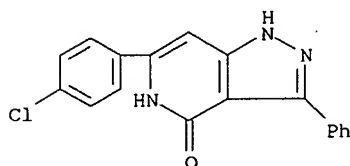
10732988



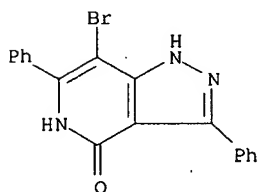
RN 148116-50-1 CAPLUS
CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 6-(4-bromophenyl)-1,5-dihydro-3-phenyl-
(9CI) (CA INDEX NAME)



RN 148116-51-2 CAPLUS
CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 6-(4-chlorophenyl)-1,5-dihydro-3-phenyl-
(9CI) (CA INDEX NAME)

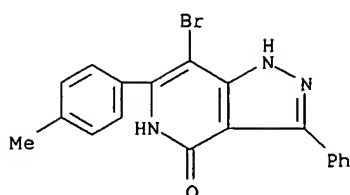


IT 148116-52-3P 148116-53-4P 148116-54-5P
148116-55-6P 148116-56-7P 148116-57-8P
148116-58-9P 148116-59-0P 148116-60-3P
148116-61-4P 148116-62-5P 148116-63-6P
148116-64-7P 148116-65-8P 148116-66-9P
148116-67-0P 148116-68-1P 148116-69-2P
149411-76-7P 149411-77-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 148116-52-3 CAPLUS
CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 7-bromo-1,5-dihydro-3,6-diphenyl- (9CI)
(CA INDEX NAME)

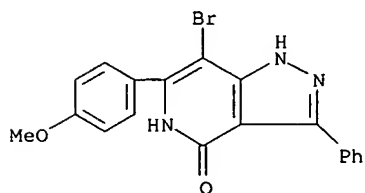


RN 148116-53-4 CAPLUS
CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 7-bromo-1,5-dihydro-6-(4-methylphenyl)-3-
phenyl- (9CI) (CA INDEX NAME)

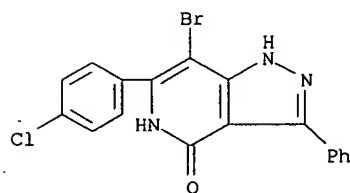
10732988



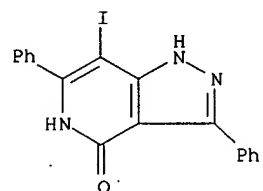
RN 148116-54-5 CAPLUS
CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 7-bromo-1,5-dihydro-6-(4-methoxyphenyl)-3-phenyl- (9CI) (CA INDEX NAME)



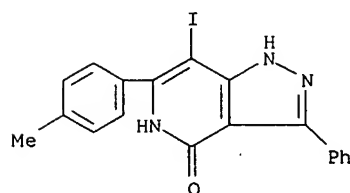
RN 148116-55-6 CAPLUS
CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 7-bromo-6-(4-chlorophenyl)-1,5-dihydro-3-phenyl- (9CI) (CA INDEX NAME)



RN 148116-56-7 CAPLUS
CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 1,5-dihydro-7-iodo-3,6-diphenyl- (9CI) (CA INDEX NAME)



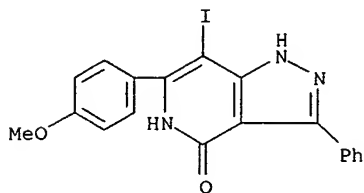
RN 148116-57-8 CAPLUS
CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 1,5-dihydro-7-iodo-6-(4-methylphenyl)-3-phenyl- (9CI) (CA INDEX NAME)



RN 148116-58-9 CAPLUS

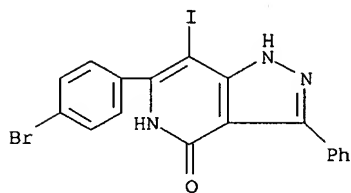
10732988

RN 4H-Pyrazolo[4,3-c]pyridin-4-one, 1,5-dihydro-7-iodo-6-(4-methoxyphenyl)-3-phenyl- (9CI) (CA INDEX NAME)



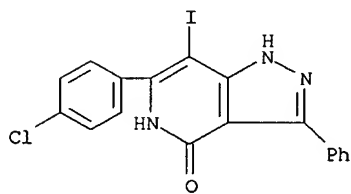
RN 148116-59-0 CAPLUS

CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 6-(4-bromophenyl)-1,5-dihydro-7-iodo-3-phenyl- (9CI) (CA INDEX NAME)



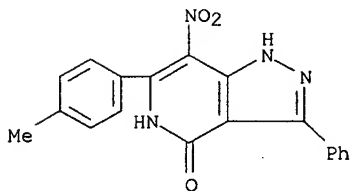
RN 148116-60-3 CAPLUS

CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 6-(4-chlorophenyl)-1,5-dihydro-7-iodo-3-phenyl- (9CI) (CA INDEX NAME)



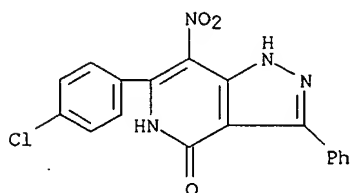
RN 148116-61-4 CAPLUS

CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 1,5-dihydro-6-(4-methylphenyl)-7-nitro-3-phenyl- (9CI) (CA INDEX NAME)



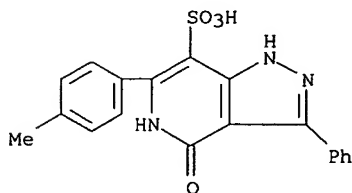
RN 148116-62-5 CAPLUS

CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 6-(4-chlorophenyl)-1,5-dihydro-7-nitro-3-phenyl- (9CI) (CA INDEX NAME)

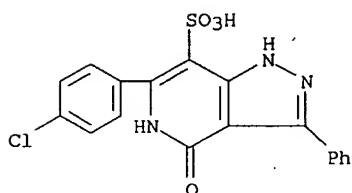


10732988

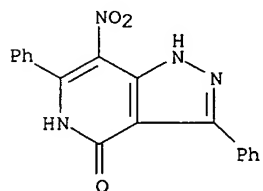
RN 148116-63-6 CAPLUS
CN 1H-Pyrazolo[4,3-c]pyridine-7-sulfonic acid, 4,5-dihydro-6-(4-methylphenyl)-4-oxo-3-phenyl- (9CI) (CA INDEX NAME)



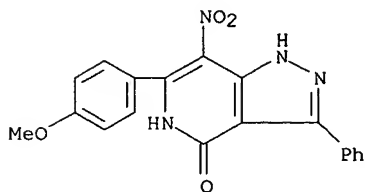
RN 148116-64-7 CAPLUS
CN 1H-Pyrazolo[4,3-c]pyridine-7-sulfonic acid, 6-(4-chlorophenyl)-4,5-dihydro-4-oxo-3-phenyl- (9CI) (CA INDEX NAME)



RN 148116-65-8 CAPLUS
CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 1,5-dihydro-7-nitro-3,6-diphenyl- (9CI)
(CA INDEX NAME)

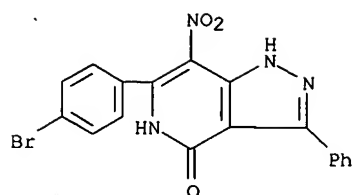


RN 148116-66-9 CAPLUS
CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 1,5-dihydro-6-(4-methoxyphenyl)-7-nitro-3-phenyl- (9CI) (CA INDEX NAME)



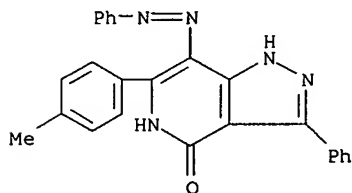
RN 148116-67-0 CAPLUS
CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 6-(4-bromophenyl)-1,5-dihydro-7-nitro-3-phenyl- (9CI) (CA INDEX NAME)

10732988



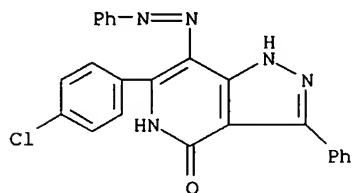
RN 148116-68-1 CAPLUS

CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 1,5-dihydro-6-(4-methylphenyl)-3-phenyl-7-(phenylazo)- (9CI) (CA INDEX NAME)



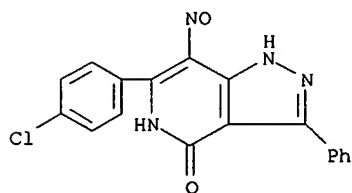
RN 148116-69-2 CAPLUS

CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 6-(4-chlorophenyl)-1,5-dihydro-3-phenyl-7-(phenylazo)- (9CI) (CA INDEX NAME)



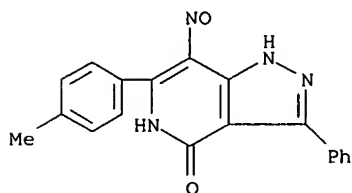
RN 149411-76-7 CAPLUS

CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 6-(4-chlorophenyl)-1,5-dihydro-7-nitroso-3-phenyl- (9CI) (CA INDEX NAME)



RN 149411-77-8 CAPLUS

CN 4H-Pyrazolo[4,3-c]pyridin-4-one, 1,5-dihydro-6-(4-methylphenyl)-7-nitroso-3-phenyl- (9CI) (CA INDEX NAME)



10732988

L4 ANSWER 6 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1992:416862 CAPLUS
 DN 117:16862
 TI Electroluminescent devices
 IN Sakon, Yohta; Ohnuma, Teruyuki; Hashimoto, Mitsuru; Saito, Shogo; Tsutsui, Tetsuo; Adachi, Chihaya
 PA Ricoh Co., Ltd., Japan
 SO U.S., 59 pp.
 CODEN: USXXAM
 DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5077142	A	19911231	US 1990-511407	19900419
PRAI	JP 1989-102057	A	19890420		
	JP 1990-8006	A	19900116		

OS MARPAT 117:16862

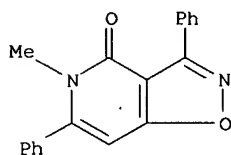
AB Electroluminescent devices comprising an anode and a cathode sandwiching ≥ 1 organic layer(s) are described in which the organic layer(s) include a compound represented by the general formula (B)_m-(A)_n (B = selected cyclic hydrocarbons, condensed polycyclic hydrocarbons, O-containing heterocycles, N-containing heterocycles, and S-containing heterocycles; A = benzene, biphenyl, methoxybenzene, or naphthalene groups; m = an integer in the range 1-6; and n = an integer in the range 1-6).

IT 60986-80-3

RL: DEV (Device component use); USES (Uses)
 (electroluminescent devices containing)

RN 60986-80-3 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-3,6-diphenyl- (9CI) (CA INDEX NAME)

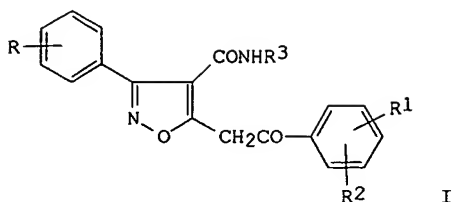


L4 ANSWER 7 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1980:604624 CAPLUS
 DN 93:204624
 TI 5-Phenacyl-3-phenyl-4-isoxazole carboxamides
 IN Nadelson, Jeffrey
 PA Sandoz, Inc., USA
 SO U.S., 8 pp. Division of U.S. 4,158,735.
 CODEN: USXXAM
 DT Patent
 LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4208532	A	19800617	US 1979-18621	19790308
	BE 839539	A1	19760913	BE 1976-165144	19760312
	US 4158735	A	19790619	US 1978-901477	19780501
	US 4238616	A	19801209	US 1979-95356	19791119
PRAI	US 1975-558419	A2	19750314		
	US 1975-584764	A2	19750609		
	US 1976-719231	A2	19760831		
	US 1977-760818	A3	19770119		
	US 1978-901477	A3	19780501		
	US 1978-625817	A2	19781028		
	US 1975-625817	A2	19751028		
	US 1979-18621	A3	19790308		

GI



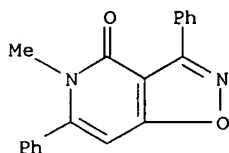
AB 5-Methylisoxazoles were converted to title compds. I [R, R1, and R2 are independently H, halo (atomic weight 19-36), alkyl, alkoxy, CF3; R3 = alkyl]; I were converted to isoxazolo[4,5-c]pyridones and 2(1H)-pyridones, the latter being useful as muscle relaxants and tranquilizers (no data). A 5-methylisoxazole was lithiated and treated with PhCHO to give a 5-(β-hydroxyphenethyl)isoxazole which was oxidized to I (R = R1 = R2 = H, R3 = Me) (II). II was cyclized to 5-methyl-3,6-diphenylisoxazolo[4,5-c]pyridin-4(5H)-one, which underwent hydrogenolysis to 3-(α-aminobenzyl)-4-hydroxy-6-phenyl-1-methyl-2(1H)-pyridone.

IT 60986-80-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and ring cleavage of, pyridone derivative from)

RN 60986-80-3 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-3,6-diphenyl- (9CI) (CA INDEX NAME)



L4 ANSWER 8 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1979:203873 CAPLUS

DN 90:203873

TI Substituted hydroxy pyridinones

IN Nadelson, Jeffrey

PA Sandoz, Inc., USA

SO U.S., 9 pp.

CODEN: USXXAM

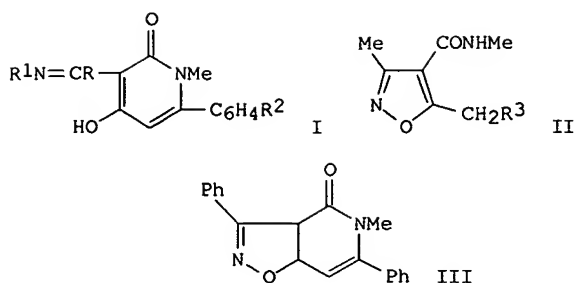
DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4122182	A	19781024	US 1977-771006	19770222
	DK 7702390	A	19771208	DK 1977-2390	19770531
	FI 7701733	A	19771208	FI 1977-1733	19770531
	SE 7706321	A	19771208	SE 1977-6321	19770531
	JP 52151177	A2	19771215	JP 1977-65889	19770606
	AU 7725863	A1	19781214	AU 1977-25863	19770606
	BE 855484	A1	19771207	BE 1977-178280	19770607
	ZA 7703428	A	19790131	ZA 1977-3428	19770607
	US 4170705	A	19791009	US 1978-925197	19780717
PRAI	US 1976-693703	A2	19760607		
	US 1977-771006	A3	19770222		

GI



AB Hydroxypyridones I (R = alkyl, Ph, ClC6H4, FC6H4; R1 = alkyl; R2 = H, Cl, F) or their salts were prepared. I are useful as minor tranquilizers, sleep inducers, muscle relaxants, and neuroleptics. Thus, the methylisoxazolecarboxamide II (R3 = H) underwent lithiation and condensation with PhCHO to give II (R3 = PhCH(OH)), which underwent oxidation to give II (R3 = Bz) and then acid-catalyzed cyclization to give the isoxazolo[4,5-c]pyridinone III; hydrogenative ring cleavage of III gave I (R = Ph, R1 = R2 = H), which was hydrolyzed and condensed with MeNH2 to give I (R = Ph, R1 = Me, R2 = H).

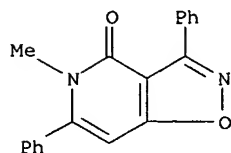
IT 60986-80-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and hydrogenation-ring cleavage of)

RN 60986-80-3 CAPLUS ~

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-3,6-diphenyl- (9CI) (CA INDEX NAME)



L4 ANSWER 9 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1979:103936 CAPLUS

DN 90:103936

TI Substituted isoxazolo[4,5-c]pyridin-4(5H)-ones

IN Denzer, Max; Smith, Joseph A.

PA Sandoz, Inc., USA

SO U.S., 6 pp.

CODEN: USXXAM

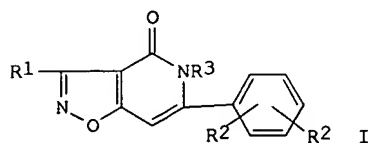
DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4113727	A	19780912	US 1977-790896	19770426
	US 4154928	A	19790515	US 1978-916866	19780619
PRAI	US 1977-790896	A3	19770426		

GI



AB The title compds. I (R1 = Cl-4 alkyl, C3-6 cycloalkyl, R2, R4 = H, halo, Cl-4 alkoxy, F3C, R3 = Cl-4 alkyl), useful as hypolipidemics (no data),

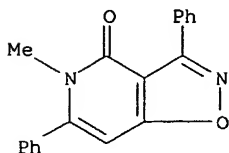
were prepared by lithiation of an isoxazolecarboxamide with BuLi to give a di-Li derivative which was treated with a benzonitrile followed by acid-catalyzed cyclization. Thus, 3-phenyl-N,5-dimethylisoxazole-4-carboxamide lithiated with BuLi gave a di-Li derivative which was treated with PhCN followed by cyclization to give I (R1 = Ph, R2 = H, R3 = Me).

IT 60986-80-3P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 60986-80-3 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-3,6-diphenyl- (9CI) (CA INDEX NAME)



L4 ANSWER 10 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1979:87293 CAPLUS

DN 90:87293

TI Substituted hydroxypyridinones

IN Nadelson, Jeffrey

PA Sandoz, Inc., USA

SO U.S., 6 pp. Cont.-in-part of U. S. 4,064,251.

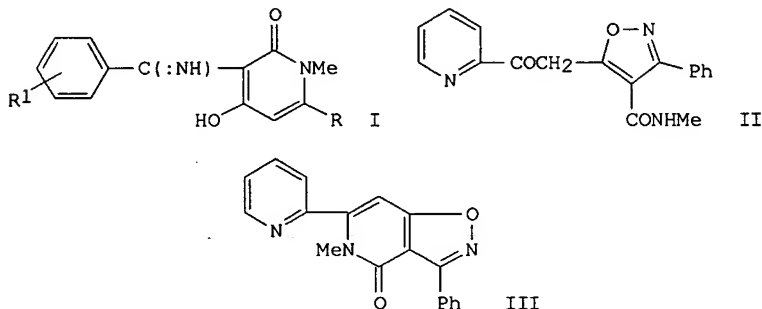
CODEN: USXXAM

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4124714	A	19781107	US 1977-821989	19770805
	US 4064251	A	19771220	US 1976-700065	19760625
PRAI	US 1976-700065	A2	19760625		
GI					



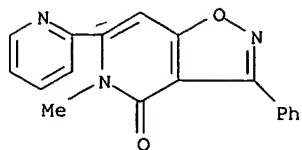
AB Substituted hydroxypyridinones I (R = 2-pyridyl, 2-thienyl or 2-furyl; R1 = H, Cl or F), which exhibit minor tranquilizer, sleep-inducing, muscle-relaxant, neuroleptic and anti-ulcer activity (no data), were prepared. Thus, N,5-dimethyl-3-phenyl-4-isoxazolecarboxamide treated with BuLi and Et picolinate gave II, which was cyclized to III by refluxing with 2M H2SO4, and III was catalytically hydrogenolyzed over Pd-C to give I (R = 2-pyridyl, R1 = H).

IT 65881-73-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and hydrogenolysis of)

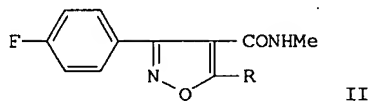
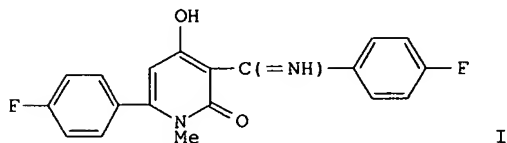
RN 65881-73-4 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-3-phenyl-6-(2-pyridinyl)- (9CI) (CA INDEX NAME)



L4 ANSWER 11 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1978:546776 CAPLUS
 DN 89:146776
 TI 3-(α -Iminobenzyl)-4-hydroxy-2(1H)-pyridone derivative
 IN Nadelson, Jeffrey
 PA Sandoz-Patent-G.m.b.H., Fed. Rep. Ger.
 SO Ger. Offen., 11 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2801190	A1	19780720	DE 1978-2801190	19780112
	NL 7800431	A	19780721	NL 1978-431	19780113
	FR 2378011	A2	19780818	FR 1978-901	19780113
	FR 2378011	B2	19820709		
	BE 862986	A4	19780717	BE 1978-184384	19780117
	JP 53108975	A2	19780922	JP 1978-2838	19780117
	ZA 7800342	A	19790829	ZA 1978-342	19780119
PRAI	US 1977-760818	A	19770119		
GI					



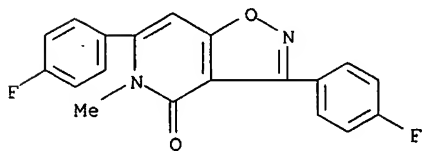
AB The pyridone I was prepared by treating isoxazole II (R = Me) with 4-FC₆H₄CHO and oxidizing the resulting II [R = CH₂CH(OH)C₆H₄F-4] to give II (R = CH₂COC₆H₄F-4), which was cyclized with acid. The isoxazole ring of the resulting isoxazolopyridinone was cleaved by hydrogenation to give I. I had a ED₅₀ of 3.75 mg/kg in the Gello conflict test and a ED₅₀ of 1.9 mg/kg in the sleep test with cebus monkeys.

IT 67765-02-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation and hydrogenation of)

RN 67765-02-0 CAPLUS

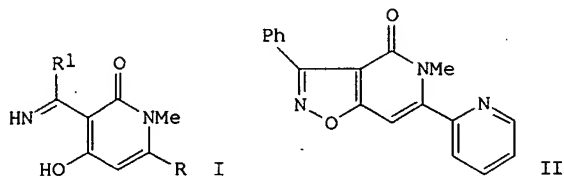
CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 3,6-bis(4-fluorophenyl)-5-methyl- (9CI) (CA INDEX NAME)



L4 ANSWER 12 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1978:120994 CAPLUS
 DN 88:120994
 TI Substituted hydroxypyridones
 IN Nadelson, Jeffrey
 PA Sandoz, Inc., USA
 SO U.S., 6 pp.
 CODEN: USXXAM
 DT Patent
 LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4064251	A	19771220	US 1976-700065	19760625
	US 4124714	A	19781107	US 1977-821989	19770805
PRAI	US 1976-700065	A2	19760625		
GI					

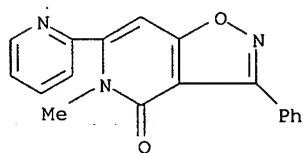


AB Hydroxypyridones I (R = pyridyl, 2-thienyl, 2-furyl; R1 = lower alkyl) (one compound), useful as tranquilizers and muscle relaxants, were prepared. Thus 3-phenyl-N,5-dimethylisoxazole-4-carboxamide was condensed with Et picolinate and the 3-phenyl-5-(2-pyridylcarbonylmethyl)-N-methylisoxazole-4-carboxamide was cyclized to II. Hydrogenation of II over Pd/C gave I (R = 2-pyridyl, R1 = Ph).

IT **65881-73-4P**
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation and hydrogenolysis of)

RN 65881-73-4 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-3-phenyl-6-(2-pyridinyl)- (9CI) (CA INDEX NAME)



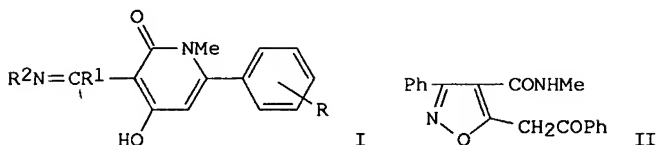
L4 ANSWER 13 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1978:105156 CAPLUS
 DN 88:105156
 TI 1-N-Methyl-3-N-alkyliminomethyl-4-hydroxy-6-phenyl-2(1H)-pyridinones
 IN Nadelson, Jeffrey
 PA Sandoz-Patent-G.m.b.H., Switz.
 SO Ger. Offen., 21 pp.
 CODEN: GWXXBX
 DT Patent
 LA German

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2724038	A1	19771215	DE 1977-2724038	19770527
	DK 7702390	A	19771208	DK 1977-2390	19770531
	FI 7701733	A	19771208	FI 1977-1733	19770531
	SE 7706321	A	19771208	SE 1977-6321	19770531

10732988

JP 52151177	A2	19771215	JP 1977-65889	19770606
AU 7725863	A1	19781214	AU 1977-25863	19770606
BE 855484	A1	19771207	BE 1977-178280	19770607
ZA 7703428	A	19790131	ZA 1977-3428	19770607
PRAI US 1976-693703	A	19760607		
GI				

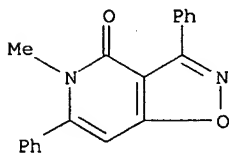


AB The title compds. I (R = H, F, Cl; R1 = C1-4 alkyl, substituted or unsubstituted Ph; R2 = C1-4 alkyl) were prepared for use as soporifics, tranquilizers, muscle relaxants, and neuroleptics (no data). Thus, reaction of BzH with lithiated 3-phenyl-N,5-dimethyl-4-isoxazolecarboxamide followed by oxidation with CrO3 gave II, which was cyclized in the presence of H2SO4, followed by catalytic hydrogenation to give I (R = R2 = H, R1 = Ph). Acid hydrolysis of the imine, followed by reaction with MeNH2 gave I (R = H, R1 = Ph, R2 = Me).

IT **60986-80-3P**
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation and reduction of)

RN 60986-80-3 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-3,6-diphenyl- (9CI) (CA INDEX NAME)



L4 ANSWER 14 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1978:37809 CAPLUS

DN 88:37809

TI Substituted pyrido[3,4-e]oxazine diones and their therapeutic use

IN Nadelson, Jeffrey

PA Sandoz, Inc., USA

SO U.S., 8 pp.

CODEN: USXXAM

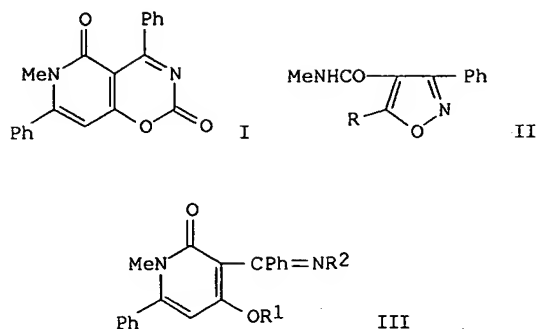
DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4054653	A	19771018	US 1976-691529	19760601
PRAI	US 1976-691529	A	19760601		
GI					

10732988

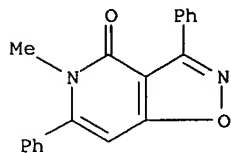


AB The pyridooxazinedione I was prepared by treating the isoxazole II (R = Me) with BuLi and PhCHO, oxidizing II (R = CH₂CHPhOH), cyclizing II (R = CH₂Bz) with H₂SO₄, reducing III (R₁R₂ = bond), and cyclizing III (R₁ = R₂ = H) with COCl₂. I is a muscle relaxant, tranquilizer, and sedative (no data).

IT **60986-80-3P**
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and reduction of)

RN 60986-80-3 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-3,6-diphenyl- (9CI) (CA INDEX NAME)



L4 ANSWER 15 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1978:6862 CAPLUS

DN 88:6862

TI Substituted isoxazolo pyridinones

IN Nadelson, Jeffrey

PA Sandoz, Inc., USA

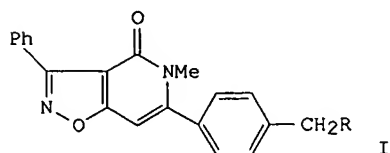
SO U.S., 7 pp.
 CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4049813	A	19770920	US 1976-705702	19760715
	US 4086421	A	19780425	US 1977-805881	19770613
	DE 2730194	A1	19780126	DE 1977-2730194	19770704
	FI 7702122	A	19780116	FI 1977-2122	19770706
	SE 7707940	A	19780115	SE 1977-7940	19770707
	NL 7707684	A	19780117	NL 1977-7684	19770711
	BE 856782	A1	19780113	BE 1977-179316	19770713
	JP 53009794	A2	19780128	JP 1977-83089	19770713
	AU 7727022	A1	19790118	AU 1977-27022	19770714
	PRAI	US 1976-705702	A3	19760715	
GI					



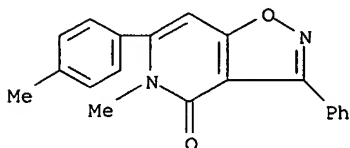
AB 3-Phenyl-5,N-dimethylisoxazole-4-carboxamide was condensed with p-MeC₆H₄CHO and the product oxidized to give N-methyl-5-(4-methylphenacyl)-3-phenyl-4-isoxazolecarboxamide, which was cyclized by H₂SO₄ and the isoxazolopyridinone I (R = H) brominated followed by reaction with Me₂NH to give I (R = Me₂N). I (R = Me₂N) was hypolipidemic at 4-250 mg/kg.

IT 60986-84-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation and bromination of)

RN 60986-84-7 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-6-(4-methylphenyl)-3-phenyl- (9CI) (CA INDEX NAME)

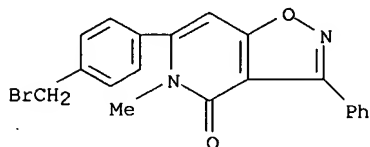


IT 64748-72-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation and reaction with dimethylamine)

RN 64748-72-7 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-[4-(bromomethyl)phenyl]-5-methyl-3-phenyl- (9CI) (CA INDEX NAME)

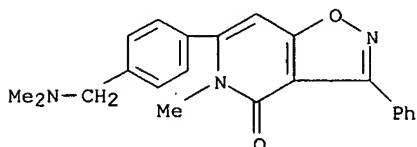


IT 64769-68-2P

RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)

RN 64769-68-2 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-[4-[(dimethylamino)methyl]phenyl]-5-methyl-3-phenyl- (9CI) (CA INDEX NAME)



L4 ANSWER 16 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1976:592582 CAPLUS

DN 85:192582

TI 4-Hydroxy-3-(α -iminobenzyl)-2(1H)-pyridinones

IN Nadelson, Jeffrey

PA Sandoz-Patent-G.m.b.H., Fed. Rep. Ger.

SO Ger. Offen., 16 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 3

PATENT NO.

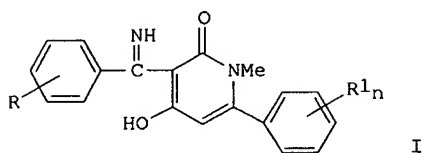
KIND

DATE

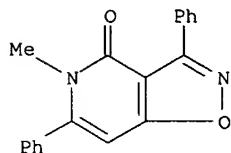
APPLICATION NO.

DATE

PI	DE 2609127	A1	19760923	DE 1976-2609127	19760305
	SE 7602542	A	19760915	SE 1976-2542	19760226
	CH 601241	A	19780630	CH 1976-2558	19760302
	DK 7600981	A	19760915	DK 1976-981	19760305
	FI 7600572	A	19760915	FI 1976-572	19760305
	NO 7600764	A	19760915	NO 1976-764	19760305
	GB 1545575	A	19790510	GB 1976-9317	19760309
	NL 7602494	A	19760916	NL 1976-2494	19760310
	FR 2303545	A1	19761008	FR 1976-6827	19760310
	FR 2303545	B1	19820319		
	BE 839539	A1	19760913	BE 1976-165144	19760312
	JP 51113877	A2	19761007	JP 1976-26228	19760312
	ES 446035	A1	19770916	ES 1976-446035	19760312
	IL 49202	A1	19790930	IL 1976-49202	19760312
	CA 1064038	A1	19791009	CA 1976-247763	19760312
	AT 7601815	A	19800215	AT 1976-1815	19760312
	AT 358590	B	19800925		
	AU 7612012	A1	19770922	AU 1976-12012	19760315
	FR 2371435	B1	19800307	FR 1976-36022	19761130
	FR 2371435	A1	19780616		
PRAI	US 1975-558419	A	19750314		
GI	US 1975-584764	A	19750609		

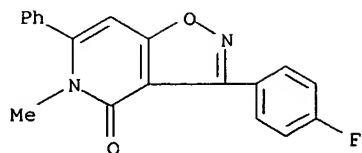


- AB Hydroxy(α -iminobenzyl)phenyl-2(1H)-pyridinones (I; R = H, 4-Cl, 4-F, 4-Me, 4-MeO, 3-F3C; R1n = H, 4-Cl, 4-F, 4-Me, 2-MeO, 4-MeO, 3-F3C, 3,4-Cl2), useful as hypnotics (no data), are prepared by ring-opening reduction of diphenylisoxazolopyridinones; the latter are obtained by reaction of the di-Li derivs. of methylphenylisoxazolecarboxamides with benzaldehydes, oxidation of the resulting (β -hydroxyphenethyl)isoxazolecarboxamides to the phenacyl derivs. which cyclize to give the isoxazolopyridinones. Thus, hydrogenation of 5-methyl-3,6-diphenylisoxazolo[4,5-c]pyridin-4(5H)-one in EtOH at 20°/3.4 atm in presence of 10% Pd/C gives after 1.5 hr I (R = R1n = H).
- IT 60986-80-3 60986-81-4 60986-82-5
60986-83-6 60986-84-7 60986-85-8
60986-86-9 60986-87-0
RL: RCT (Reactant); RACT (Reactant or reagent)
(reduction of)
- RN 60986-80-3 CAPLUS
- CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-3,6-diphenyl- (9CI) (CA INDEX NAME)



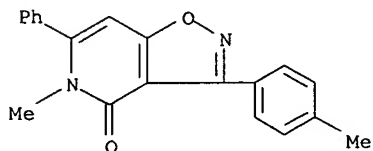
- RN 60986-81-4 CAPLUS
- CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 3-(4-fluorophenyl)-5-methyl-6-phenyl- (9CI) (CA INDEX NAME)

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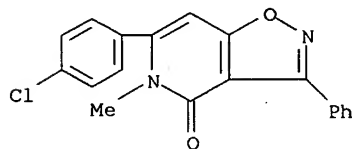
RN 60986-82-5 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-3-(4-methylphenyl)-6-phenyl-
(9CI) (CA INDEX NAME)



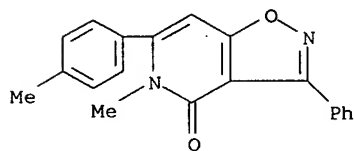
RN 60986-83-6 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-(4-chlorophenyl)-5-methyl-3-phenyl-
(9CI) (CA INDEX NAME)



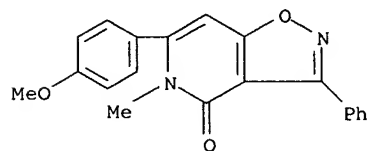
RN 60986-84-7 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-6-(4-methylphenyl)-3-phenyl-
(9CI) (CA INDEX NAME)



RN 60986-85-8 CAPLUS

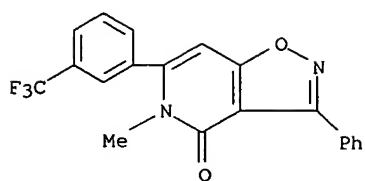
CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 6-(4-methoxyphenyl)-5-methyl-3-phenyl-
(9CI) (CA INDEX NAME)



RN 60986-86-9 CAPLUS

CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-3-phenyl-6-[3-
(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

10732988



RN 60986-87-0 CAPLUS
CN Isoxazolo[4,5-c]pyridin-4(5H)-one, 5-methyl-6-(2-methylphenyl)-3-phenyl-
(9CI) (CA INDEX NAME)

